

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 1    | ("5926494").PN.  | US-PGPUB;<br>USPAT                                    | OR               | OFF     | 2006/06/11 13:43 |
| S2    | 7    | ((("5926494") or ("3786368") or ("3970960") or ("3992681") or ("4249141") or ("4757268") or ("5754572")).PN. | US-PGPUB;<br>USPAT                                    | OR               | OFF     | 2006/06/15 17:46 |
| S3    | 5    | ("3786368"   "3970960"   "3992681"   "4757268"   "5754572").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/06/11 14:31 |
| S4    | 194  | 372/50.1.ccls. and 372/46.01.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/06/15 15:11 |
| S5    | 308  | "372"/\$.ccls. and quantum near3 dot\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/06/15 15:41 |
| S6    | 495  | "372"/66.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/06/15 15:41 |
| S7    | 427  | "372"/68.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/06/15 15:41 |
| S8    | 26   | S6 and S7  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/06/15 15:42 |
| S9    | 3    | ((plural\$3 or multiple) near3 gain near3 (medium or region\$1)) with lossy                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/06/15 15:48 |
| S10   | 5    | ("3786368"   "3970960"   "3992681"   "4757268"   "5754572").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/06/15 15:55 |
| S11   | 32   | ((reduc\$5 near3 parasitic\$1) same (gain near3 medium))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/06/15 15:57 |

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|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S12 | 191 | thermally near3 conducting near3 substrate         | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/06/15 16:37 |
| S13 | 14  | S12 and "372"/\$.ccls.                             | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/06/15 16:37 |
| S14 | 0   | ((four near3 level near3 semiconductor) with gaas) | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/06/15 17:47 |
| S15 | 2   | ((four near3 level with semiconductor) with gaas)  | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/06/15 17:48 |
| S16 | 2   | ((four near3 level with semiconductor) with gaas)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/06/15 17:48 |
| S17 | 3   | ((four near3 level with semiconductor) same gaas)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/06/15 17:49 |
| S18 | 10  | ((four near3 level) same gaas)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/06/15 17:50 |
| S19 | 2   | ((four near3 level) with gaas)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/06/15 17:49 |
| S20 | 15  | ((four or three) near3 level) with gaas)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/06/15 17:51 |
| S21 | 379 | lossy near3 layer                                  | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/06/16 10:36 |
| S22 | 21  | S21 and "372"/\$.ccls.                             | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/06/16 10:55 |
| S23 | 1   | gain near3 gaas and lossy near3 gaas               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/06/16 12:01 |
| S24 | 109 | ION NEAR3 DOP\$3 WITH GAAS                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/06/16 12:01 |

## EAST Search History

|     |   |                        |   |    |     |                  |
|-----|---|------------------------|---|----|-----|------------------|
| S25 | 0 | S24 AND LOSSY          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/06/16 12:01 |
| S26 | 5 | S24 AND "372"/\$.CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/06/16 12:01 |